

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/913,850
Source: 4FW16
Date Processed by STIC: 2-1-05

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/913,850

DATE: 02/01/2005

TIME: 16:45:23

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

3 <110> APPLICANT: Hazen, Kevin C.
 4 Singleton, David R.
 5 Masuoka, James
 6 Wu, Jean G.
 7 Glee, Pati M.
 9 <120> TITLE OF INVENTION: Yeast Cell Wall Peptides and Antibodies Thereto
 11 <130> FILE REFERENCE: 032905-010
 13 <140> CURRENT APPLICATION NUMBER: US 09/913,850
 C--> 14 <141> CURRENT FILING DATE: 2001-12-14
 16 <150> PRIOR APPLICATION NUMBER: PCT/US00/04228
 17 <151> PRIOR FILING DATE: 2000-02-18
 19 <150> PRIOR APPLICATION NUMBER: US 60/120,764
 20 <151> PRIOR FILING DATE: 1999-02-19
 22 <150> PRIOR APPLICATION NUMBER: US 60/120,765
 23 <151> PRIOR FILING DATE: 1999-02-19
 25 <160> NUMBER OF SEQ ID NOS: 40
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 4
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: peptides analagous in structure to the bonding
 36 domains exhibited on the surface of hydrophobic
 37 yeast cell wall proteins to interfere with yeast
 38 cells' ability to bond to host tissues
 W--> 40 <221> NAME/KEY: PEPTIDE
 41 <222> LOCATION: 2
 42 <223> OTHER INFORMATION: Xaa = a bond or any amino acid
 W--> 44 <221> PEPTIDE
 45 <222> LOCATION: 3
 46 <223> OTHER INFORMATION: Xaa = any amino acid
 W--> 48 <221> PEPTIDE
 49 <222> LOCATION: 4
 50 <223> OTHER INFORMATION: Xaa = a tripeptide wherein at least one amino acid
 51 is Val, Leu, Ile, Phe, Tyr, or Trp
 W--> 53 <400> 1
 W--> 54 Gly Xaa Xaa Xaa
 55 1
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 12
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Artificial Sequence

(ps.6)

RAW SEQUENCE LISTING

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:23

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

63 <220> FEATURE:

64 <223> OTHER INFORMATION: Clone 4 of 6C5 monoclonal antibody epitope

66 <400> SEQUENCE: 2

67 Arg Val Asp Val Gly Ser Glu Asp Ala Pro Ser Arg

68 1 5 10

71 <210> SEQ ID NO: 3

72 <211> LENGTH: 12

73 <212> TYPE: PRT

74 <213> ORGANISM: Artificial Sequence

76 <220> FEATURE:

77 <223> OTHER INFORMATION: Clone 54 of 6C5 monoclonal antibody epitope

79 <400> SEQUENCE: 3

80 Ser Asp Arg Leu Glu Val Gly Thr Glu Asp Leu Arg

81 1 5 10

84 <210> SEQ ID NO: 4

85 <211> LENGTH: 12

86 <212> TYPE: PRT

87 <213> ORGANISM: Artificial Sequence

89 <220> FEATURE:

90 <223> OTHER INFORMATION: Clone 43 of 6C5 monoclonal antibody epitope

92 <400> SEQUENCE: 4

93 Asp Val Glu Val Gly Ala Glu Asp Ala Leu Phe Ser

94 1 5 10

97 <210> SEQ ID NO: 5

98 <211> LENGTH: 12

99 <212> TYPE: PRT

100 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: Clone 13 of 6C5 monoclonal antibody epitope

105 <400> SEQUENCE: 5

106 Ile Glu Ala Arg Val Glu Ile Asp Trp Ser Leu Asp

107 1 5 10

110 <210> SEQ ID NO: 6

111 <211> LENGTH: 12

112 <212> TYPE: PRT

113 <213> ORGANISM: Artificial Sequence

115 <220> FEATURE:

116 <223> OTHER INFORMATION: Clone 26 of 6C5 monoclonal antibody epitope

118 <400> SEQUENCE: 6

119 Gly Arg Asn Leu Glu Val Asp Arg Ala Leu Asp Thr

120 1 5 10

123 <210> SEQ ID NO: 7

124 <211> LENGTH: 12

125 <212> TYPE: PRT

126 <213> ORGANISM: Artificial Sequence

128 <220> FEATURE:

129 <223> OTHER INFORMATION: Clone 11 of 6C5 monoclonal antibody epitope

131 <400> SEQUENCE: 7

132 Arg Ser Met Leu Glu Leu Asp Val Ile Leu Glu Gly

RAW SEQUENCE LISTING

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:23

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

```

133 1 5 10
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 12
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Clone 12 of 6C5 monoclonal antibody epitope
144 <400> SEQUENCE: 8
145 Glu Gly Ile Gly Val Glu Val Glu Val Val Leu Glu
146 1 5 10
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 12
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Clone 4-3-3 of 6C5 monoclonal antibody epitope
157 <400> SEQUENCE: 9
158 Glu Ile Asp Leu Lys Leu Glu Pro Gly Thr Arg Val
159 1 5 10
162 <210> SEQ ID NO: 10
163 <211> LENGTH: 12
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Clone 44 of 6C5 monoclonal antibody epitope
170 <400> SEQUENCE: 10
171 Arg Val Glu Leu Ala His Glu Leu Glu Gly Val Trp
172 1 5 10
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 12
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Clone 38 of 6C5 monoclonal antibody epitope
183 <400> SEQUENCE: 11
184 Glu Leu Asp Ala Ile Asp Arg Pro Gly Ile Val Val
185 1 5 10
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 12
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Clone 39 of 6C5 monoclonal antibody epitope
196 <400> SEQUENCE: 12
197 Val Arg Leu Glu Ile Asp Gln Ile Asp Arg Gly Pro
198 1 5 10
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 12
203 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:23

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

204 <213> ORGANISM: Artificial Sequence
 206 <220> FEATURE:
 207 <223> OTHER INFORMATION: Clone 5-4-1 of 6C5 monoclonal antibody epitope
 209 <400> SEQUENCE: 13
 210 Ser Phe Glu Val Asp Pro Ile Asp Glu Asn Ser Gly
 211 1 5 10
 214 <210> SEQ ID NO: 14
 215 <211> LENGTH: 12
 216 <212> TYPE: PRT
 217 <213> ORGANISM: Artificial Sequence
 219 <220> FEATURE:
 220 <223> OTHER INFORMATION: Clone 1-8 of 6C5 monoclonal antibody epitope
 222 <400> SEQUENCE: 14
 223 Gly Glu Thr Gln Cys Val Glu Ile Ala Ser Ile Asp
 224 1 5 10
 227 <210> SEQ ID NO: 15
 228 <211> LENGTH: 12
 229 <212> TYPE: PRT
 230 <213> ORGANISM: Artificial Sequence
 232 <220> FEATURE:
 233 <223> OTHER INFORMATION: Clone 29 of 6C5 monoclonal antibody epitope
 235 <400> SEQUENCE: 15
 236 Ile Gly Phe Val Glu Arg Asp Asp Ile Asp Ala Glu
 237 1 5 10
 240 <210> SEQ ID NO: 16
 241 <211> LENGTH: 12
 242 <212> TYPE: PRT
 243 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: Clone 57 of 6C5 monoclonal antibody epitope
 248 <400> SEQUENCE: 16
 249 Glu Ile Asp Ser Phe Glu Leu Tyr Leu Arg Glu Arg
 250 1 5 10
 253 <210> SEQ ID NO: 17
 254 <211> LENGTH: 12
 255 <212> TYPE: PRT
 256 <213> ORGANISM: Artificial Sequence
 258 <220> FEATURE:
 259 <223> OTHER INFORMATION: Clone 1 of panned 5D8 antigen epitope
 261 <400> SEQUENCE: 17
 262 Pro Leu Leu Pro Glu Pro Leu Phe Ile Glu Leu Gly
 263 1 5 10
 266 <210> SEQ ID NO: 18
 267 <211> LENGTH: 12
 268 <212> TYPE: PRT
 269 <213> ORGANISM: Artificial Sequence
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: Clone 12 of panned 5D8 antigen epitope
 274 <400> SEQUENCE: 18

RAW SEQUENCE LISTING

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:23

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

```

275 Glu Lys Leu Tyr Ile Ser Ala Trp Asp His Leu Asn
276 1 5 10
279 <210> SEQ ID NO: 19
280 <211> LENGTH: 12
281 <212> TYPE: PRT
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Clone 19 of panned 5D8 antigen epitope
286 <400> SEQUENCE: 19
287 Arg Phe Val Glu Pro Leu Tyr Val Thr Ala Ala Gly
288 1 5 10
291 <210> SEQ ID NO: 20
292 <211> LENGTH: 12
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Clone 23 of panned 5D8 antigen epitope
299 <400> SEQUENCE: 20
300 Glu Glu Leu Phe Ile Ser Arg Leu Ser Arg Ala Pro
301 1 5 10
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 10
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: 5D8 peptides
312 <400> SEQUENCE: 21
313 Pro Phe Val Asp Ala Tyr Pro Phe Asn Arg
314 1 5 10
317 <210> SEQ ID NO: 22
318 <211> LENGTH: 10
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: 5D8 peptides
325 <400> SEQUENCE: 22
326 Thr Asp Gln Thr Ser Asn Asn Asn Val Ala
327 1 5 10
330 <210> SEQ ID NO: 23
331 <211> LENGTH: 7
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: 5D8 peptides
W--> 338 <221> NAME/KEY: PEPTIDE
339 <222> LOCATION: 5
340 <223> OTHER INFORMATION: Xaa = Ile or Leu
W--> 342 <400> 23
W--> 343 Thr Trp Ser Val Xaa Pro Thr

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/913,850

DATE: 02/01/2005
TIME: 16:45:24

Input Set : A:\05-01-25 Sequence Listing.txt
Output Set: N:\CRF4\02012005\I913850.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4
Seq#:23; Xaa Pos. 5
Seq#:34; Xaa Pos. 2
Seq#:35; Xaa Pos. 2
Seq#:36; Xaa Pos. 2
Seq#:37; Xaa Pos. 2
Seq#:38; Xaa Pos. 2,4,5,6

VERIFICATION SUMMARY

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:24

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:40 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:53 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:338 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:342 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:490 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:494 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:510 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:514 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:530 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:534 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36
L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:550 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:554 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:570 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:575 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:580 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:585 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:590 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:604 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:607 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39